

MATH 216 HANDOUT: CURVES (PART TWO)

Because I'm far behind on looking at your problem sets, I won't yet assign problems, but I want to get notes to you. In the next version, I will remove the black box of Riemann-Hurwitz by developing the theory of hyperelliptic curves by hand (although we will still prove Riemann-Hurwitz later). Thus the only black box we will use in discussing curves is the black box we've already used: Serre duality. And when he is here shortly, you can just ask him yourself!

In lieu of handing in problems, **please** continue to ask me questions (out of class as well as in class), even on earlier material that you want to nail down. And if you look at the material long enough to develop an opinion (which you should), please still answer: (a) Which problems did you particularly like, and why? (b) Which ones did you like less? (c) What is the most confusing topic so far? (Thanks to everyone who has answered this question in the past!)

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